



Member State	NUTS2-Code	NUTS region	Wheat ethanol (winter wheat   spring wheat)		Pure vegetable oil from rape seed		Rape seed biodiesel		Sunflower biodiesel		Soybean biodiesel		Corn (maize) ethanol, Community produced		Rye Ethanol		Pure vegetable oil from Sunflower		Summer-Barley Ethanol		Triticale Ethanol		Winter-Barley Ethanol	
			gCO2eq/MJ Ethanol	gCO2eq/kg Wheat	gCO2eq/MJ Veg. oil	gCO2eq/kg Rape	gCO2eq/MJ Biodiesel	gCO2eq/kg Rape	gCO2eq/MJ Biodiesel	gCO2eq/kg Sunflower	gCO2eq/MJ Biodiesel	gCO2eq/kg Soy	gCO2eq/MJ Ethanol	gCO2eq/kg Corn	gCO2eq/MJ Ethanol	gCO2eq/kg Rye	gCO2eq/MJ Veg. oil	gCO2eq/kg Sunflower	gCO2eq/MJ Ethanol	gCO2eq/kg Barley	gCO2eq/MJ Ethanol	gCO2eq/kg Triticale	gCO2eq/MJ Ethanol	gCO2eq/kg W-Barley
ES	ES23	La Rioja	25				--		8															
ES	ES24	Aragon	38				29		16															
ES	ES30	Comunidad de	33				--		14															
ES	ES41	Castilla y León	30				26		12															
ES	ES42	Castilla-La Ma	39				26		15															
ES	ES43	Extremadura	27				27		13															
ES	ES61	Andalucía	38				26		8															
ES	ES51	Cataluna	22				28		14															
ES	ES52	Comunidad Va	32				26		15															
ES	ES53	Balearen	36				--		9															
ES	ES62	Región de Mur	53				--		26															
ES	ES70	Canarias	27				--																	
<b>Slovenia</b>																								
SI		Eastern Slove	19.9				22.3		--				14.0											
SI		Western Slove	22.7				27.0		--				13.9											
<b>Slovak Republik</b>																								
SK	SK01	Bratislava	23.88				23.42						16.24											
SK	SK02	West Slovakia	23.16				24.47						16.11											
SK	SK03	Central Slovak	23.46				26.85						18.16											
SK	SK04	East Slovakia	23.90				28.19						18.45											
<b>Romania Stand</b>																								
RO		ALBA	20				21		27				27											
RO		ARAD	20				19		19				21											
RO		ARGES	20				19		20				21											
RO		BACAU	20				20		24				25											
RO		BIHOR	20				19		20				21											
RO		BISTRITA-NASA	21				20		24				25											
RO		BOTOSANI	20				20		21				23											
RO		BRAILA	21				19		19				21											
RO		BRASOV	21				19		19				21											
RO		BUZAU	21				20		21				23											
RO		CALARASI	21				19		17				20											
RO		CARAS-SEVERI	20				19		18				20											
RO		CLUJ	20				20		23				24											
RO		CONSTANTA	20				20		22				23											
RO		COVASNA	21				19		19				22											
RO		DAMBOVITA	21				19		17				20											
RO		DOLJ	20				19		20				21											
RO		GALATI	20				19		20				22											
RO		GIURGIU	21				20		19				21											
RO		GORJ	20				19		19				21											
RO		HARGHITA	22				22		31				31											
RO		HUNEDOARA	20				19		20				22											
RO		IALOMITA	21				19		18				20											
RO		IASI	20				20		23				24											
RO		ILFOV	21				20		18				20											
RO		MARAMURES	21				19		18				20											
RO		MEHEDINTI	19				18		20				21											
RO		MUNICIPIUL B	22				20		19				21											
RO		MURES	20				20		24				24											
RO		NEAMT	20				19		20				22											
RO		OLT	20				19		22				23											
RO		PRAHOVA	21				20		19				21											
RO		SALAJ	20				20		22				23											
RO		SATU MARE	21				19		18				20											
RO		SIBIU	21				20		24				24											
RO		SUCEAVA	20				19		21				23											
RO		TELEORMAN	20				19		19				20											
RO		TIMIS	20				19		19				21											
RO		TULCEA	21				19		21				23											
RO		VALCEA	20				19		20				22											
RO		VASLUI	20				20		21				22											
<b>Portugal</b>																								
PT	PT11	North	145				--		--				69											
PT	PT15	Algarve	133				--		--				31											
PT	PT16	Centre	50				33		13/23				18											
PT	PT18	Alentejo	46				33		14/23				22											
PT	PT20	Madeira	129				--		--				--											
PT	PT30	Azores	--				--		--				98											
<b>Poland</b>																								
PL		Dolnośląskie	22.69				24.60						19.20											
PL		Kujawsko-Pom	22.97				25.59						19.82											
PL		Lubelskie	22.47				24.65						19.36											
PL		Lubuskie	22.20				22.19						19.24											
PL		Łódzkie	20.84				24.40						19.51											
PL		Małopolskie	22.51				25.43						19.13											
PL		Mazowieckie	22.77				24.09						18.59											
PL		Opolskie	22.69				25.79						19.65											

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			gCO2eq/MJ Ethanol	gCO2eq/kg Wheat	gCO2eq/MJ Veg. oil	gCO2eq/kg Rape	gCO2eq/MJ Biodiesel	gCO2eq/kg Rape	gCO2eq/MJ Biodiesel	gCO2eq/kg Sunflower	gCO2eq/MJ Biodiesel	gCO2eq/kg Soy	gCO2eq/MJ Ethanol	gCO2eq/kg Corn	gCO2eq/MJ Ethanol	gCO2eq/kg Rye	gCO2eq/MJ Veg. oil	gCO2eq/kg Sunflower	gCO2eq/MJ Ethanol	gCO2eq/kg Barley	gCO2eq/MJ Ethanol	gCO2eq/kg Triticale	gCO2eq/MJ Ethanol	gCO2eq/kg W-Barley
PL		Podkarpackie	19.80				21.32						18.61											
PL		Podlaskie	22.33				28.25						19.57											
PL		Pomorskie	22.80				26.56						25.47											
PL		Śląskie	22.75				25.54						19.87											
PL		Świętokrzyskie	21.59				24.08						20.55											
PL		Warmińsko-M	22.84				24.02						27.17											
PL		Wielkopolskie	22.05				21.79						17.94											
PL		Zachodnio-Por	22.83				23.74						24.88											
<b>Netherlands</b>																								
NL	NL110	Groningen	25.2	382			25.3	658					16.2	280										
NL	NL120	Friesland	24.9	378			25.0	652					15.9	275										
NL	NL130	Drenthe	24.2	367			25.6	666					16.0	277										
NL	NL210	Overijssel	24.5	372			26.1	679					16.6	287										
NL	NL220	Gelderland	25.2	383			25.5	665					16.3	282										
NL	NL230	Flevoland	23.2	352			26.7	697					16.0	277										
NL	NL310	Utrecht	24.3	369			26.3	685					16.6	287										
NL	NL320	Noord-Holland	24.4	371			26.3	685					16.7	289										
NL	NL330	Zuid-Holland	23.9	363			24.9	650					16.3	282										
NL	NL340	Zeeland	23.5	356			24.0	626					16.3	282										
NL	NL410	Noord-Brabant	23.1	350			24.3	634					16.1	279										
NL	NL420	Limburg	22.3	338			24.1	628					15.7	272										
<b>Malta</b>																								
MT		Malta	--		--		--		--		--		--											
<b>Luxemburg</b>																								
LU		Luxemburg	21.5	320			23.6	545																
<b>Republik of Latvia</b>																								
			--		--		--		--		--		--											
<b>Republik of Lithuania</b>																								
LT	LT001	Alytus county	22.81				26.70																	
LT	LT002	Kaunas county					24.56																	
LT	LT003	Klaipėda county	22.12				28.17																	
LT	LT004	Marijampolė county	20.27				24.56																	
LT	LT005	Panėvėžys county	22.41				26.70																	
LT	LT006	Šiauliai county	21.12				25.58																	
LT	LT007	Tauragė county	21.53				26.61																	
LT	LT008	Telšiai county	22.75				28.20																	
LT	LT009	Utena county	21.72				28.88																	
LT	LT00A	Vilnius county	21.77				28.75																	
<b>Italy</b>																								
IT		Abruzzo			28.16	696	27.11	696	--	--														
IT		Basilicata			28.5	704	27.44	704	--	--														
IT		Campania			26.39	651	25.41	651	--	--														
IT		Emilia Romagna			23.97	590	23.07	590	26.57	682	15.79	367												
IT		Friuli Venezia Giulia			23.98	591	23.09	591	--	--	17.03	396												
IT		Lazio			19.57	480	18.84	480	25.74	660	--	--												
IT		Lombardia			23.95	590	23.06	590	--	--	13.59	316												
IT		Marche			26.56	655	25.57	655	27.16	697	--	--												
IT		Molise			28.5	704	27.44	704	29.23	751	--	--												
IT		Piemonte			24.45	603	23.53	603	--	--	11.07	257												
IT		Puglia			29.11	719	28.02	719	29.23	751	--	--												
IT		Toscana			34.77	861	33.47	861	32.64	839	--	--												
IT		Umbria			35.18	872	33.87	872	38.53	993	--	--												
IT		Veneto			28.06	694	27.02	694	21.9	560	15.63	363												
<b>Ireland</b>																								
IE	IE01	the Border, Mid	20		24		24																	
IE	IE02	Southern and	20		24		24																	
<b>Hungary</b>																								
HU	HU10	Central Hunga	22.30	331	24.00	629	25.60	629	16.30	412	-	-	12.00	195										
HU	HU32	North Great Pl	21.90	325	22.60	593	24.10	593	16.00	404	-	-	11.40	185										
HU	HU33	South Great Pl	20.20	300	21.60	567	23.10	567	15.20	383	-	-	11.70	189										
HU	HU31	North Hungary	22.00	327	23.00	602	24.50	602	16.30	412	-	-	12.80	207										
HU	HU22	West Transdan	20.70	307	18.90	496	20.20	496	14.80	374	-	-	11.20	182										
HU	HU21	Central Transdan	20.00	297	19.80	518	21.10	518	14.60	369	-	-	10.70	174										
HU	HU23	South Transdan	18.60	276	18.70	491	20.00	491	14.10	355	-	-	10.30	167										
<b>Greece</b>																								
GR		Thessaly	19.54	215			--		17.50	277	18.97	155	19.33	216										
GR		Epirus	20.50	226			--		16.19	256	18.97	155	19.73	220										
GR		West Macedonia	20.28	224			--		17.39	275	18.97	155	19.79	221										
GR		East Macedonia	20.42	225			26.10	414	15.33	242	18.97	155	19.81	221										
GR		Central Macedonia	21.18	233			26.10	414	17.52	277	18.97	155	20.00	223										
GR		Continental Greece	20.57	227			--		17.73	280	18.97	155	19.77	221										
GR		Western Greece	21.01	231			--		17.46	276	18.97	155	19.80	221										
GR		Peloponnese	20.23	223			--						19.98	223										

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<b>Germany</b>																								
DE	DE11	Stuttgart	21.3	317			23.5	545					14.0	204										
DE	DE12	Karlsruhe	21.5	319			23.6	546					14.0	203										
DE	DE13	Freiburg	21.5	320			23.6	546					14.0	203										
DE	DE14	Tübingen	21.3	317			23.5	543					14.0	203										
DE	DE21	Oberbayern	21.4	318			23.6	547					14.0	203										
DE	DE22	Niederbayern	21.3	316			23.5	544					13.9	202										
DE	DE23	Oberpfalz	21.3	317			23.8	550					14.1	204										
DE	DE24	Oberfranken	21.7	323			24.0	555					14.3	207										
DE	DE25	Mittelfranken	21.6	320			23.9	552					14.2	206										
DE	DE26	Unterfranken	21.5	320			23.8	550					14.2	206										
DE	DE27	Schwaben	21.2	315			23.5	544					14.0	204										
DE	DE30	Berlin	22.0	328			24.4	563					14.4	209										
DE	DE41	Brandenburg	21.7	323			23.8	551					14.4	208										
DE	DE42	Brandenburg	21.8	325			23.9	553					14.5	210										
DE	DE50	Bremen	21.4	318			24.8	574					14.2	205										
DE	DE60	Hamburg	21.3	317			23.6	546					14.1	204										
DE	DE71	Darmstadt	21.2	315			23.6	547					14.1	205										
DE	DE72	Gießen	21.4	318			23.8	551					14.3	208										
DE	DE73	Kassel	21.2	315			23.9	552					14.5	210										
DE	DE80	Mecklenburg-V	21.4	318			23.6	546					14.3	208										
DE	DE91	Braunschweig	21.1	314			23.8	551					14.2	206										
DE	DE92	Hannover	21.1	314			23.8	550					14.1	205										
DE	DE93	Lüneburg	21.3	317			24.0	555					14.2	206										
DE	DE94	Weser-Ems	21.3	317			23.9	552					14.2	205										
DE	DEA1	Düsseldorf	21.2	315			23.7	547					13.9	201										
DE	DEA2	Köln	21.0	313			23.7	548					14.0	203										
DE	DEA3	Münster	21.3	316			23.9	552					14.0	204										
DE	DEA4	Detmold	21.2	315			23.7	549					14.2	206										
DE	DEA5	Arnsberg	21.1	314			23.9	552					14.1	205										
DE	DEB1	Koblenz	21.4	319			23.6	546					14.1	205										
DE	DEB2	Trier	21.6	321			23.7	549					14.1	205										
DE	DEB3	Rheinessen-P	21.6	321			23.8	550					14.1	205										
DE	DECO	Saarland	21.5	320			23.9	552					14.4	210										
DE	DED1	Chemnitz	21.4	318			23.8	550					14.1	205										
DE	DED2	Dresden	21.4	319			23.9	552					14.2	206										
DE	DED3	Leipzig	21.4	318			23.7	549					14.1	205										
DE	DEEO	Sachsen-Anha	21.3	317			23.7	548					14.1	205										
DE	DEFO	Schleswig-Hol	21.1	313			23.6	546					14.1	204										
DE	DEGO	Thüringen	21.4	318			23.8	551					14.1	204										
<b>France</b>																								
FR		Alsace	20				--	--					10											
FR		Aquitaine	--				--	--					13											
FR		Auvergne	--				28	12					11											
FR		Brittany	19				20	--					7											
FR		Burgundy	23				25	13					11											
FR		Centre	23				24	15					11											
FR		Champagne-A	21				23	13					11											
FR		Franche-Comt	23				25	--					12											
FR		ÎLE-DE-FRANCO	20				23	12					11											
FR		Languedoc-Ro	--				27	12					--											
FR		Limousin	--				28	16					--											
FR		Loire Region	21				23	14					10											
FR		Lorraine	22				24	--					11											
FR		Lower Normar	20				22	--					8											
FR		Midi-Pyrénées	--				28	17					12											
FR		Nord/Pas-de-C	18				19	--					8											
FR		Picardy	19				22	--					10											
FR		Poitou-Charen	23				25	16					13											
FR		Rhône-Alpes	22				28	14					11											
FR		Upper Normar	18				21	--					10											
<b>Finland</b>																								
FI		East Finland	32.96				--	--																
FI		South Finland	26.67				32.77	--																
FI		West Finland	27.28				34.99	--																
FI		North Finland	31.42				--	--																
FI		Åland	27.83				--	--																
<b>Estonia</b>																								
EE		Harju	29 37	451   572			34	894					35	531					32	487	22	339		
EE		Hiiu	101 44	1546   668			33	870					25	390					34	521	30	458		
EE		Ida-Viru	27 35	410   542			29	758					34	529					26	399	17	261		
EE		Jõgeva	30 36	459   556			31	802					25	382					33	502	25	385		
EE		Järva	29 36	452   548			35	905					25	389					33	499	23	349		
EE		Lääne	29   39	441   598			37	960					29	447					35	534	25	383		
EE		Lääne-Viru	29   35	449   544			32	829					32	485					31	471	27	422		
EE		Põlva	28   33	434   506			34	882					36	548					27	418	19	297		
EE		Pärnu	32   34	492   518			32	842					26	403					33	499	23	355		
EE		Rapla	25   36	385   547			33	854					26	401					30	454	18	273		
EE		Saare	26   35	405   540			35	901					31	476					29	446	31	483		

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EE		Tartu	27   34	412   520			31	807							33	503			29	447	20	306		
EE		Valga	30   37	465   560			41	1057							34	525			29	452	19	296		
EE		Viljandi	30   36	460   546			36	935							30	453			30	461	24	366		
EE		Võru	32   35	484   535			35	910							37	570			28	425	20	312		
<b>Denmark</b>																								
DK		Hovedstaden	21.1	324			22.6	629																
DK		Sjælland	18.9	290			21.4	595																
DK		Syddanmark	21.3	327			23.6	657																
DK		Midtjylland	21.8	335			24.0	667																
DK		Nordjylland	23.4	359			24.4	679																
<b>Czech Republik</b>																								
CZ	CZ01	Prague	21.8				23.1						19.6											
CZ	CZ02	Central Bohemia	22.0				23.2						19.5											
CZ	CZ03	South-west	22.5				23.2						19.0											
CZ	CZ04	North-west	22.1				23.0						19.4											
CZ	CZ05	North-east	22.6				23.5						19.9											
CZ	CZ06	South-east	22.7				23.0						19.7											
CZ	CZ07	Central Moravia	21.9				23.1						19.4											
CZ	CZ08	Moravia-Silesia	22.6				23.5						19.7											
<b>Zypern</b>																								
			--		--		--		--		--		--		--									
<b>Bulgaria</b>																								
BG		North-West	34.61				17.51						29.27											
BG		North-Central	33.62				19.22						28.61											
BG		North-East	32.75				17.48						28.35											
BG		South-East	33.88				18.24						29.78											
BG		South-West	35.34				17.96						30.82											
BG		South-Central	35.30				17.95						30.14											
<b>Belgium - Flemish Government</b>																								
BE		Antwerp	14,4		20,8		19,7						7,0											
BE		Brabant	15,6		21,4		20,3						7,3											
BE		West-Flanders	15,6		19,9		18,9						7,3											
BE		East-Flanders	15,7		23,9		22,6						7,2											
BE		Limburg	14,7		21,0		20,0						7,2											
BE		Region Flandre	15,3		20,9		19,9						7,2											
<b>Belgium - Wallon Region</b>																								
BE		Brabant Wallon	15,7		23,1		21,6						10,5											
BE		Hainaut	15,6		26,6		25,0						10,0											
BE		Liege	14,1		24,6		23,1						9,6											
BE		Luxembourg	14,0		23,5		22,0						8,8											
BE		Namur	14,8		25,2		23,6						9,8											
BE		Wallon Region	14,6		25,0		23,4						9,6											